

Fig.1

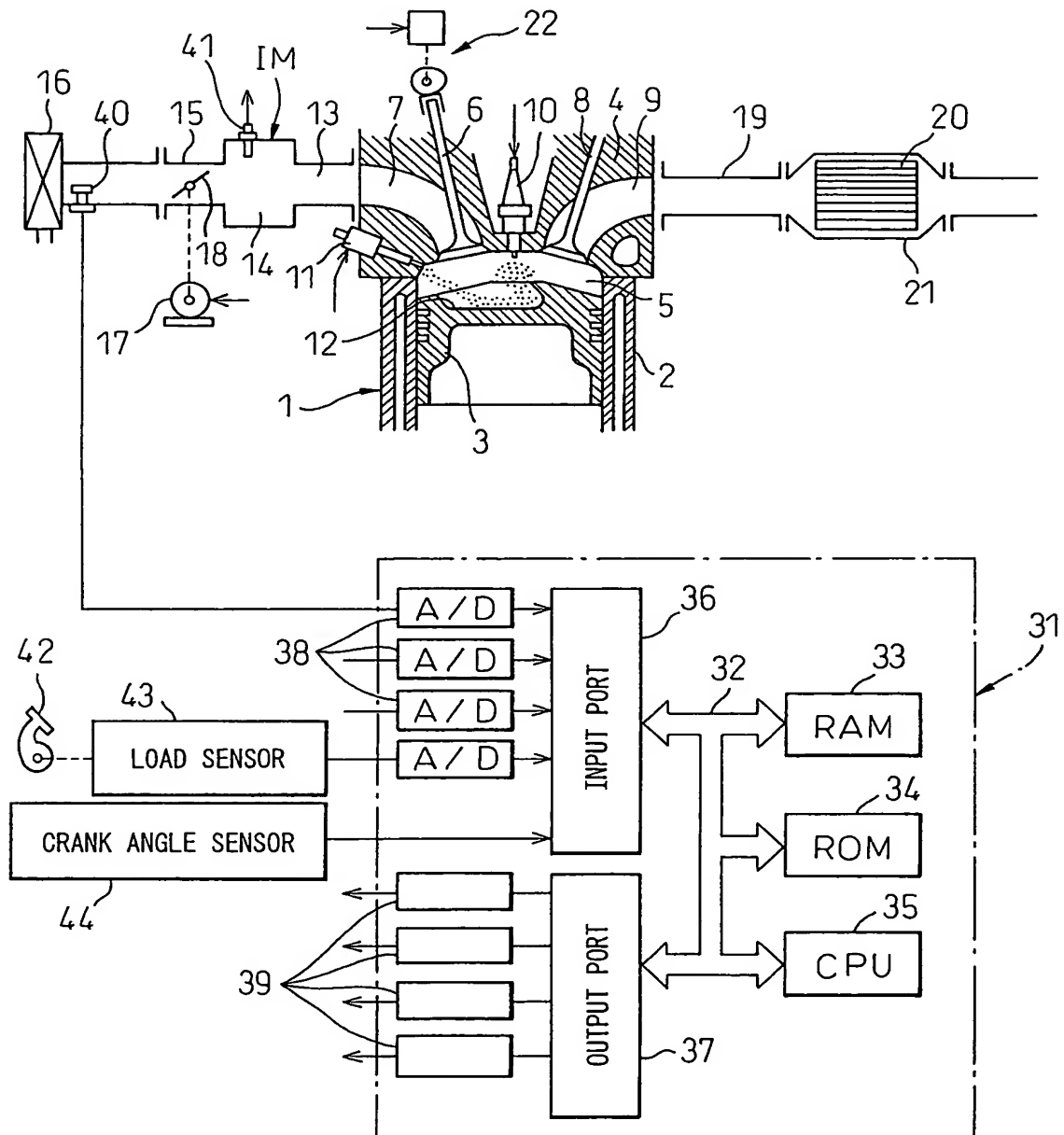


Fig.2

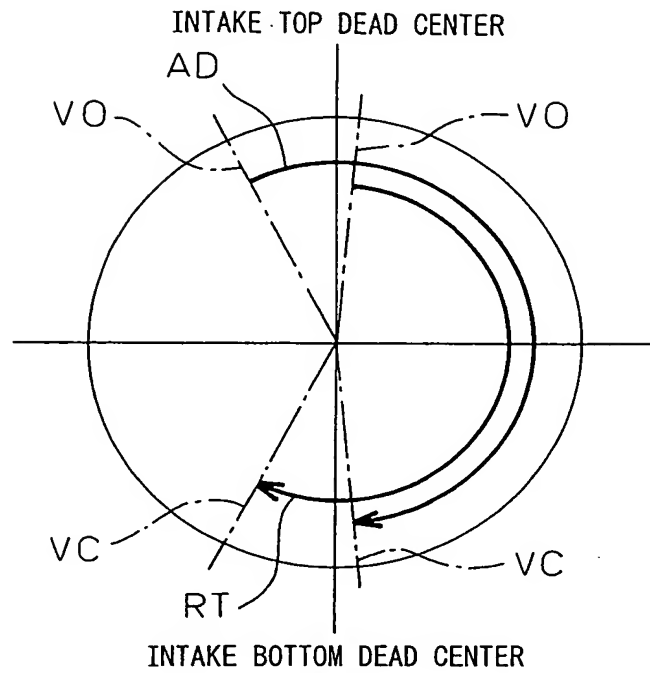


Fig.3

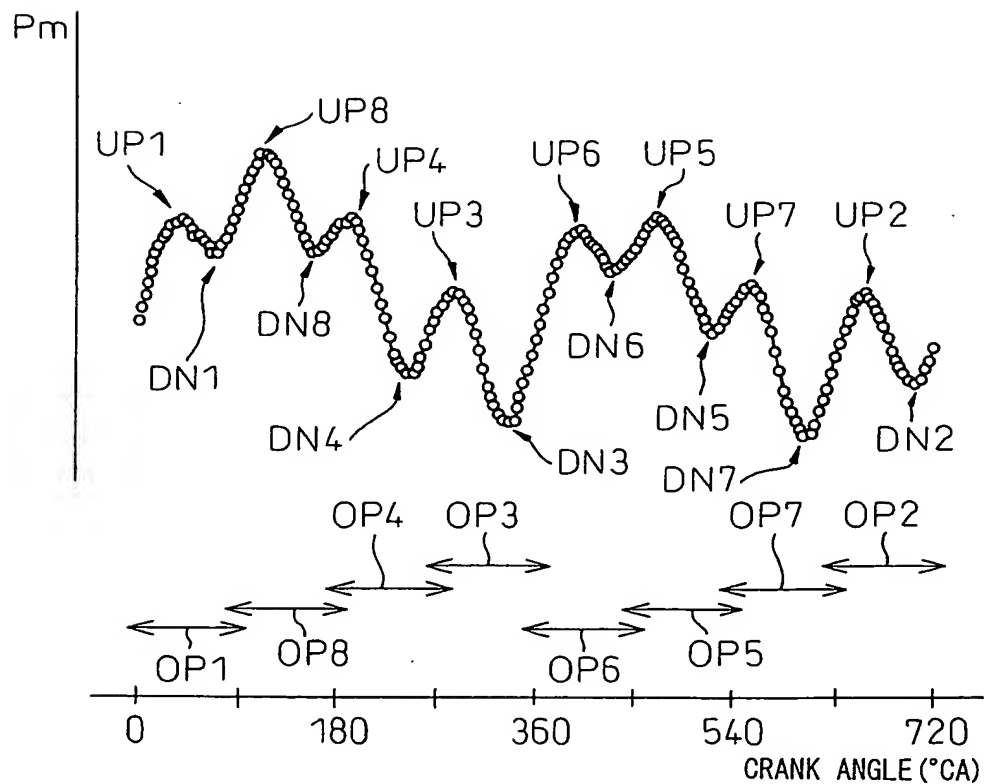


Fig.4

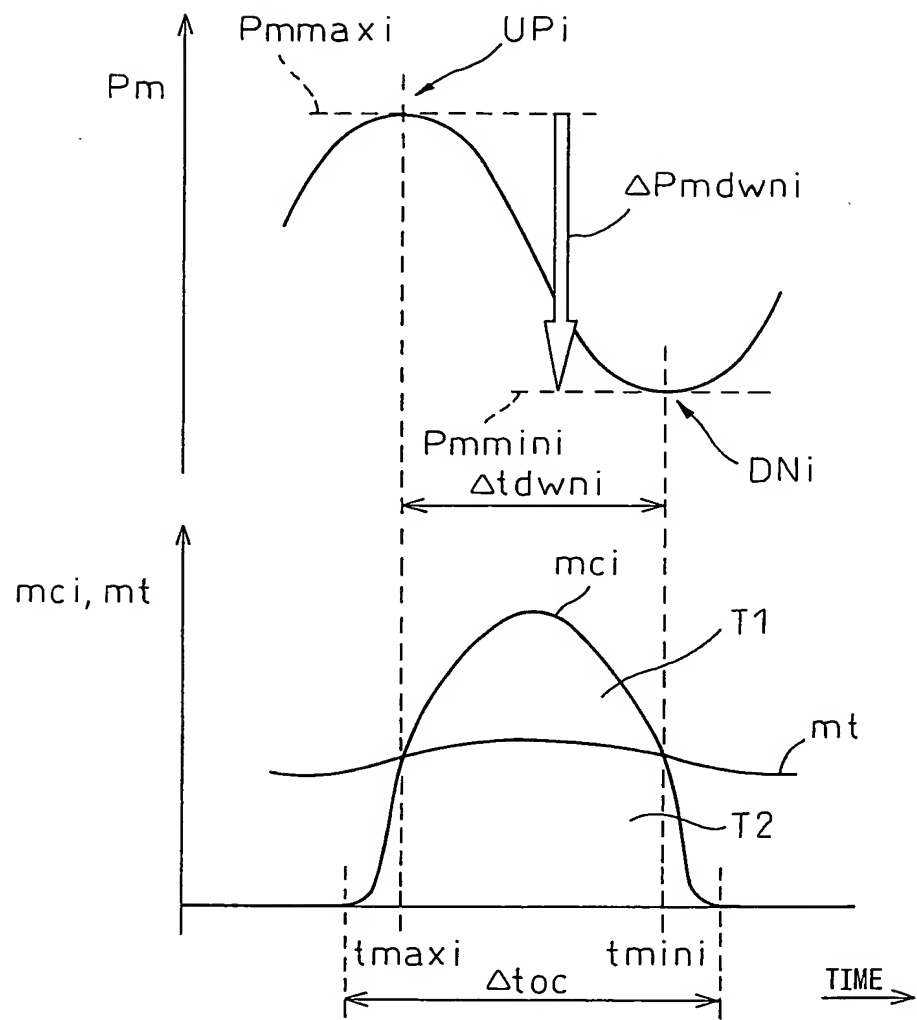
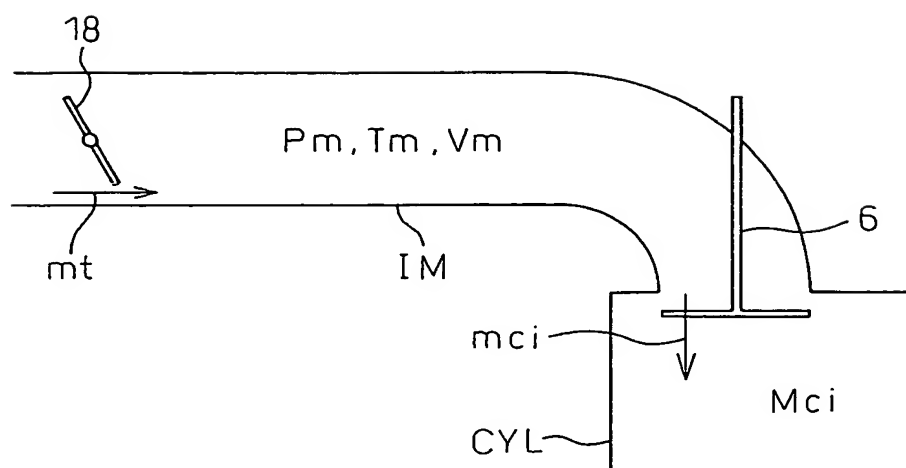


Fig.5



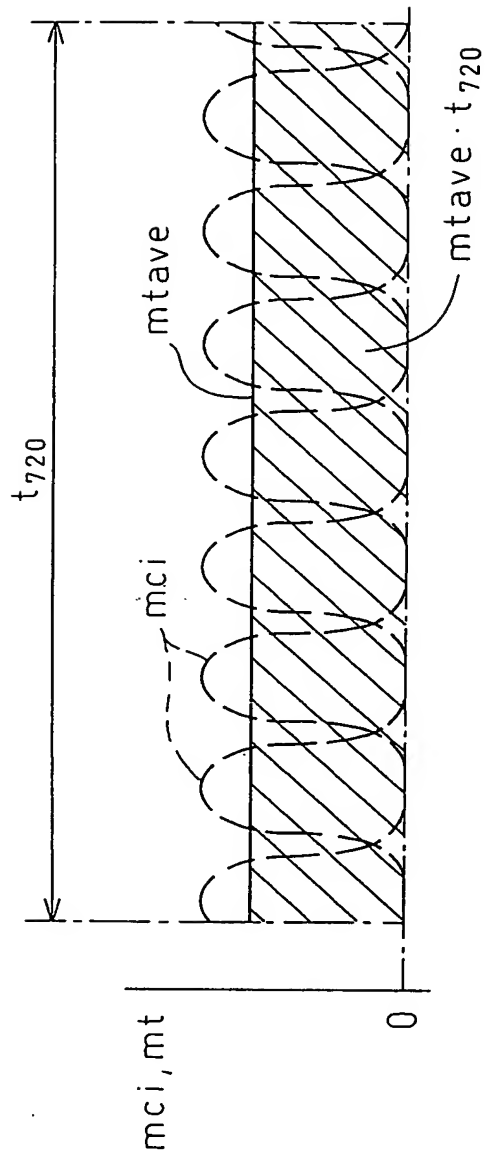


Fig. 6A

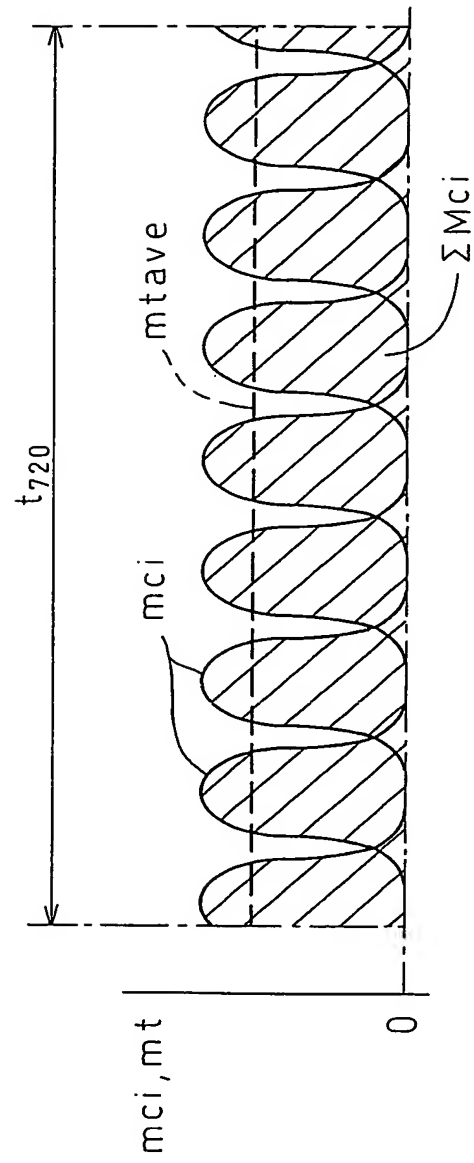


Fig. 6B

Fig.7A

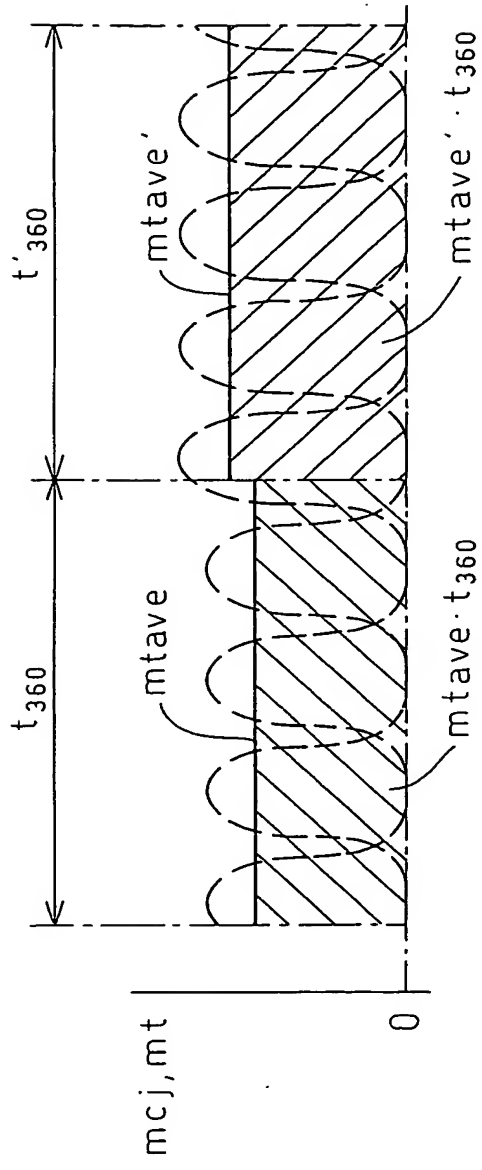


Fig.7B

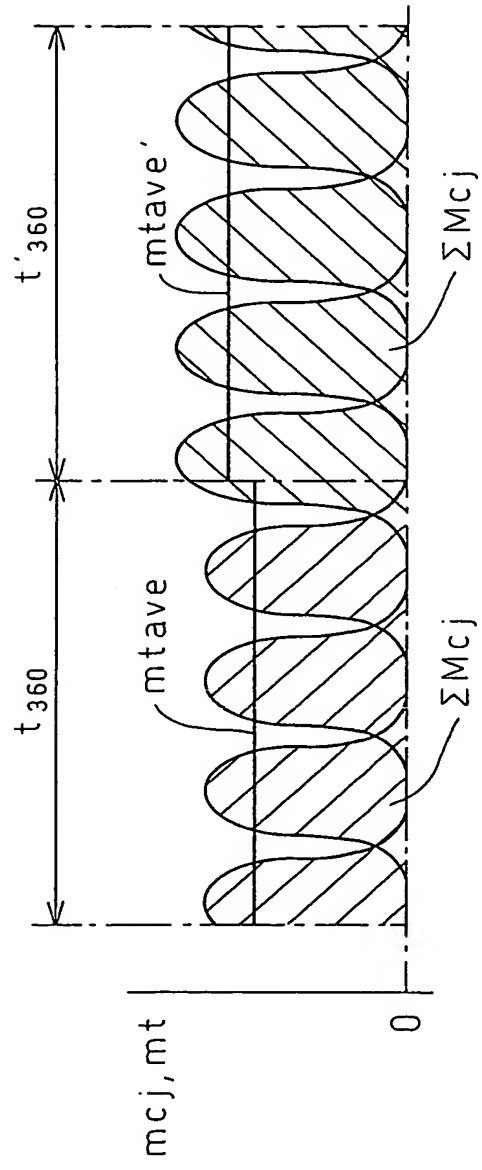


Fig.8

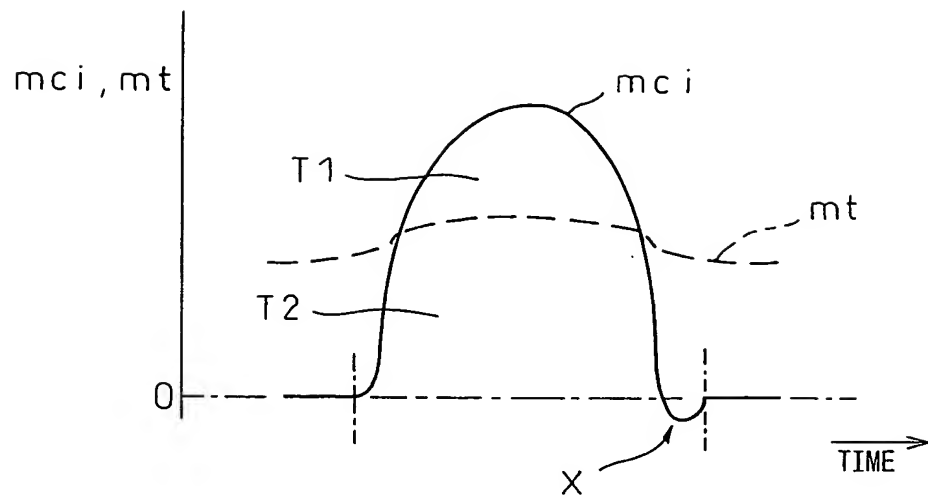


Fig.9

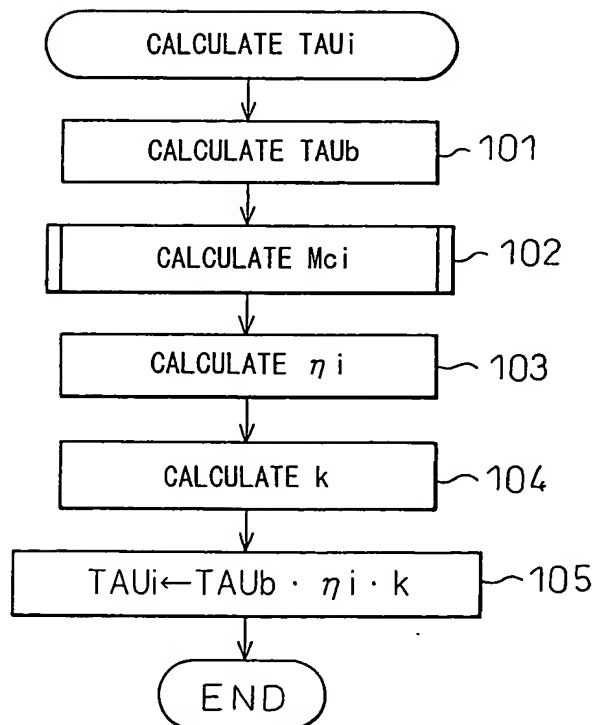


Fig.10

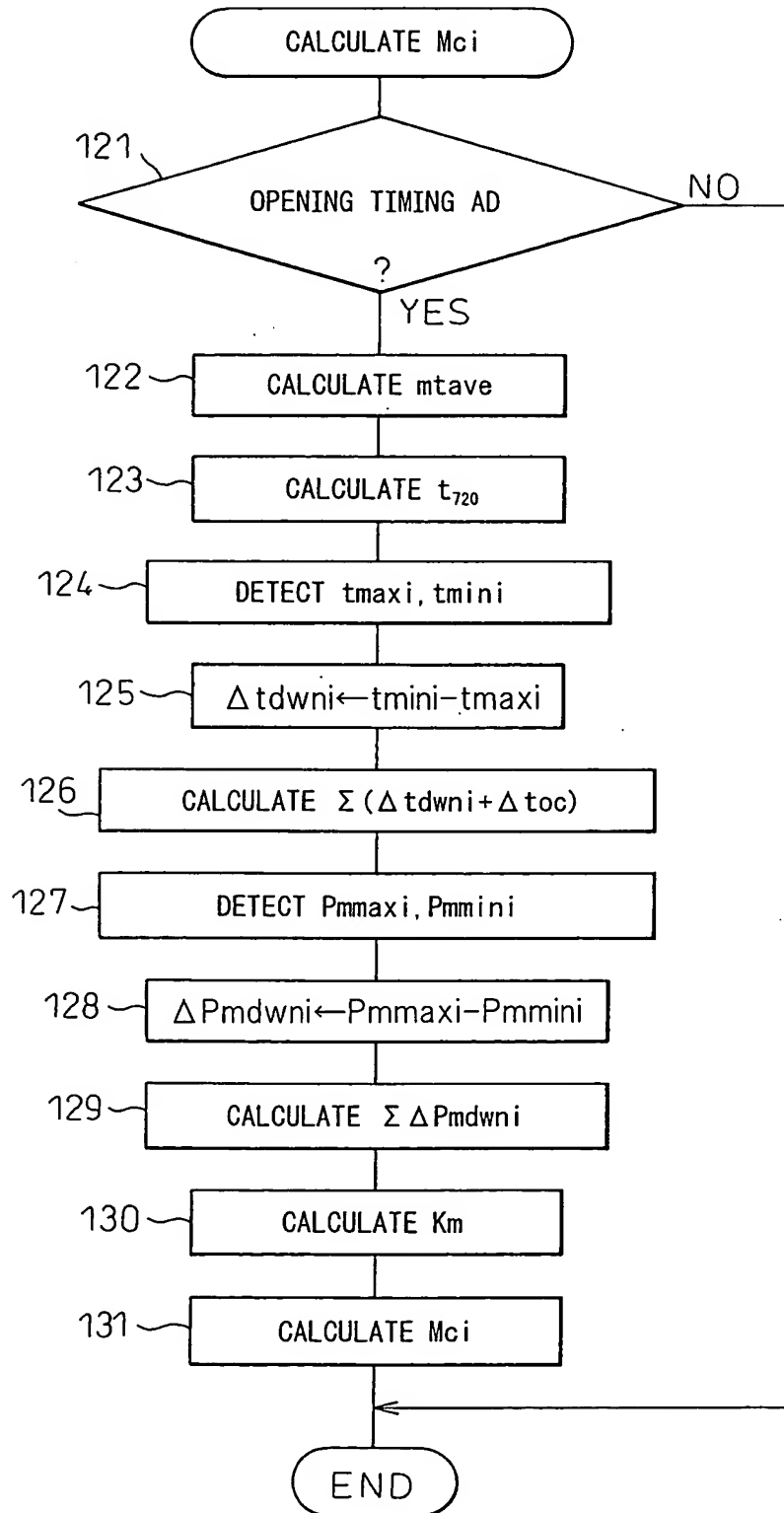


Fig.11

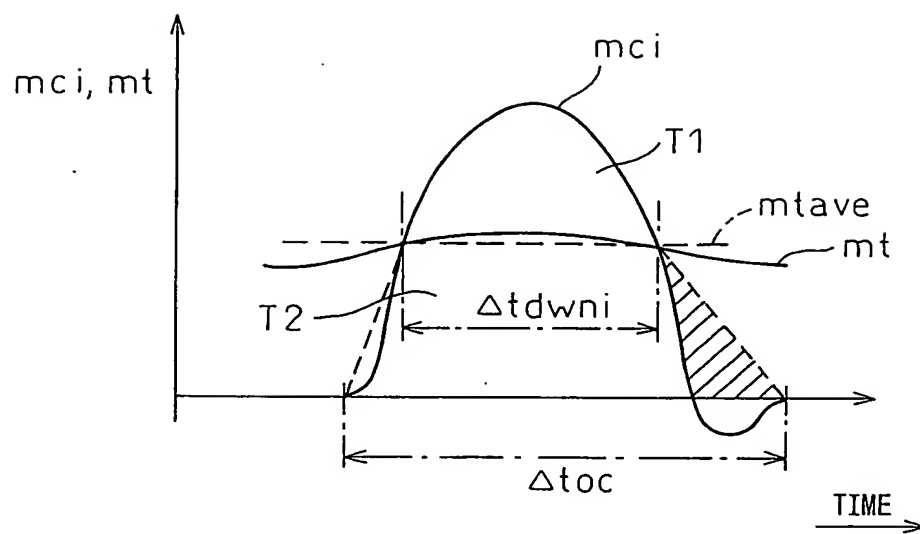


Fig.12A

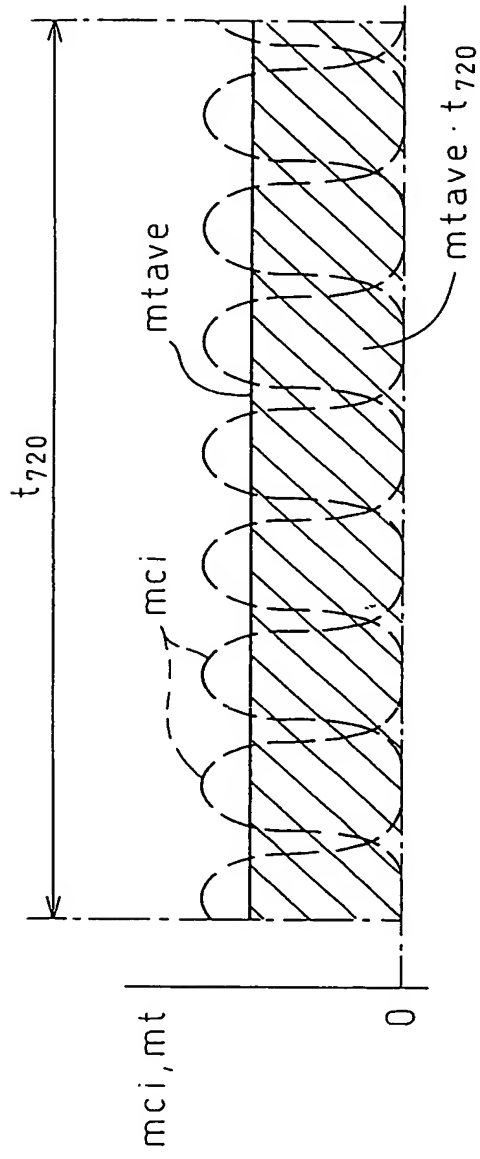


Fig.12B

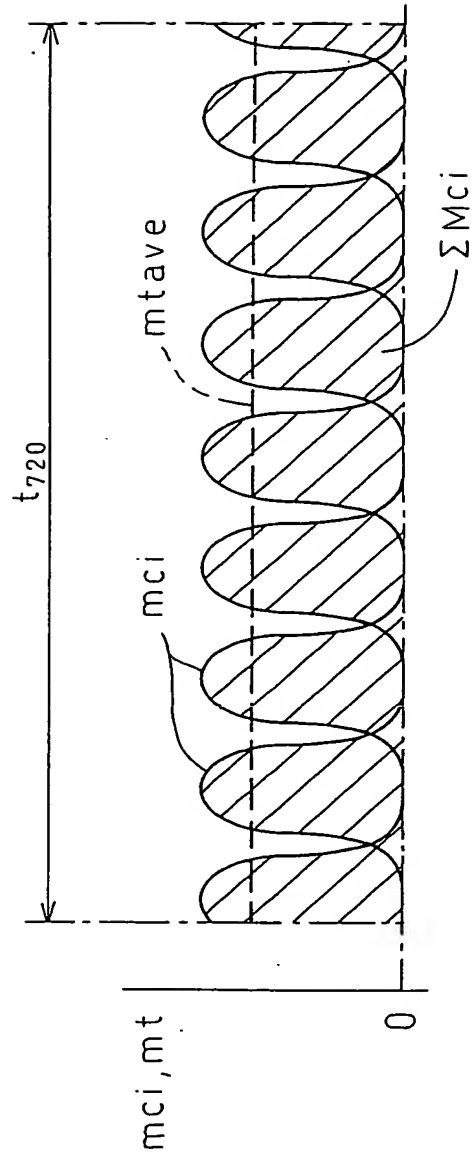


Fig.13

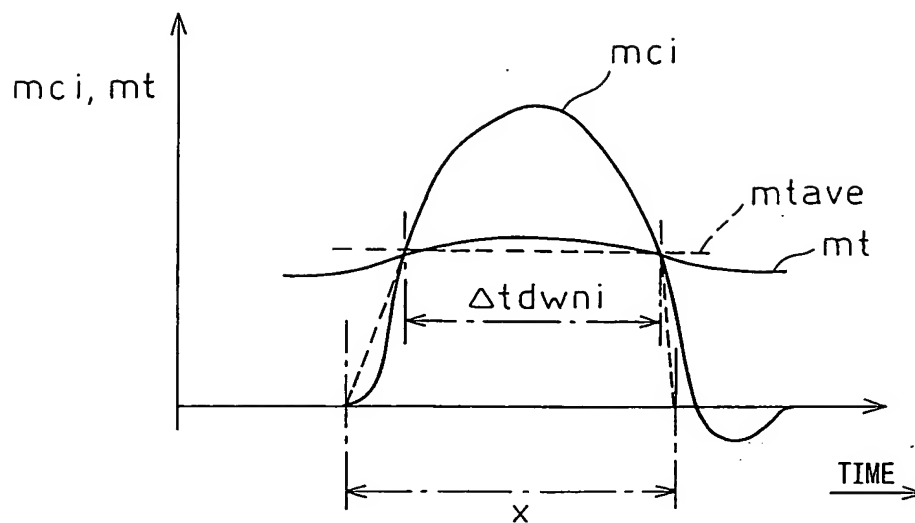


Fig.14

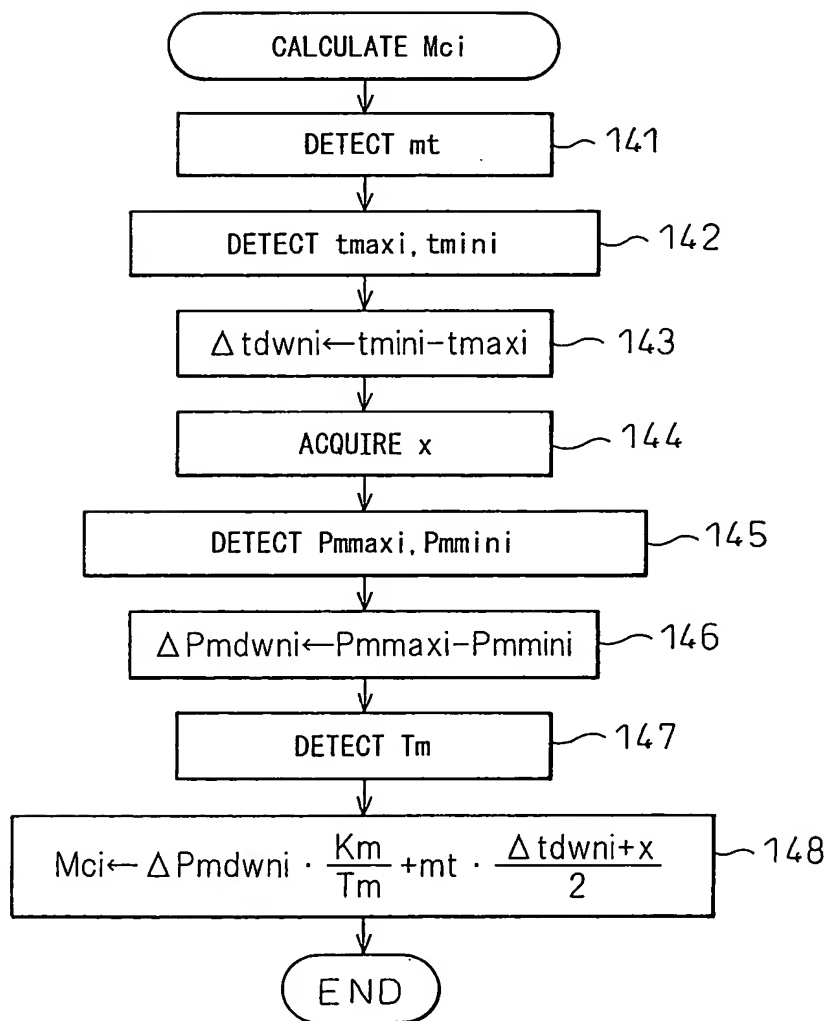
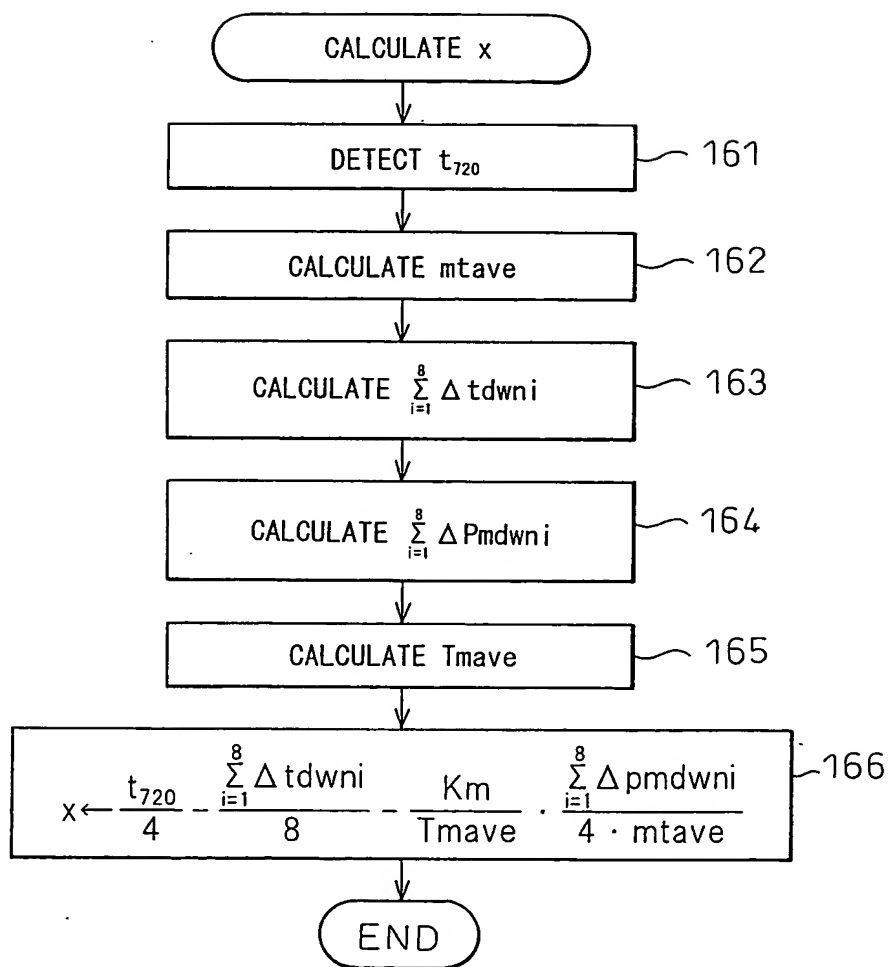


Fig.15



DESCRIPTION OF NOTATIONS

1... engine body
6... intake valve
10... fuel injector
18... throttle valve
22... intake valve drive system
31... ECU
40... air flow meter
41... pressure sensor
IM... intake pipe part